Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/12/2018 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124766	-1	1.57	124762	1.54
Blue	F	SSC	125000	123644	-2	2.98	124295	2.97
Blue	E	FITC	15492	15180	-3	3.38	355	21.45
Blue	D	PE	28736	28073	-3	2.54	620	16.27
Blue	B	PerCP-Cy5-5	41413	41521	0	4.35	1132	23.16
Blue	A	PE-Cy7	31321	31547	0	6.92	570	48.76
Red	C	APC	41673	40800	-3	2.91	1575	13.36
Red	A	APC-Cy7	29962	29574	-2	2.71	738	13.77
Violet	B	V450	8318	7929	-5	4.32	438	14.20
Violet	A	V500	34199	32760	-5	4.08	788	11.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20325	4.19	608	-5	N/A	N/A	Pass
Blue	F	SSC	55873	2.31	573	5	N/A	N/A	Pass
Blue	E	FITC	60	74.13	558	-3	0.0171	245	Pass
Blue	D	PE	124	57.86	557	-3	0.1345	308	Pass
Blue	B	PerCP-Cy5-5	213	55.73	666	-1	0.0072	48	Pass
Blue	A	PE-Cy7	111	118.21	721	-1	0.0085	16	Pass
Red	C	APC	361	28.65	600	-1	0.0192	135	Pass
Red	A	APC-Cy7	182	31.84	576	0	0.0049	1399	Pass
Violet	B	V450	64	70.36	476	-1	0.0490	2539	Pass
Violet	A	V500	112	38.86	493	-1	0.0207	1115	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.22	-31.81	1.09
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	16.98	13.60 - 20.40	N/A	N/A	29.10	29.48	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9741

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments